IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Shouich	ni KOGA et al.	:	Mail Stop: PCT				
Serial N	Io. NEW	:	Attorney Docket No. 2005_1723A				
Filed Ja	nuary 6, 2006	:					
COMM AND M [Corres	DIVISION MULTIPLEX WIRELESS UNICATION SYSTEM, DEVICE IETHOD FOR THE SAME iponding to PCT/JP2004/017130 ovember 11, 2004	S: :					
	INFORMATION DIS	CLO	CUDE STATEMENT				
	INFORMATION DIS	CLO	SORE STATEMENT				
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450			THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEES FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975				
Sir:							
I	Pursuant to the provisions of 37 CFR 1	.56, 1	.97 and 1.98, Applicants request				
consider	ration of the references listed on attach	ed for	m PTO-1449 and any additional informatio				
identifie	ed below in paragraph 3. A legible cop	y of e	ach reference listed on the Form PTO-1449				
is enclos	sed, except a copy is not provided for:						
[each U.S. Patent and U.S. Pat	ent ap	plication publication;				
[each reference previously cited in the international application PCT/; and/or						
[each reference previously cite	d in p	rior parent application Serial No.				
1a. [[X] This Information Disclosure States	ment i	s submitted:				
	within three months of the filing date (above-entitled application, or	or of e	entry into the National Stage) of the				

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

, * ., a .

1b. [] This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) [] the certification of paragraph 2 below is provided, or
- (2) [] the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.
- 1c. [] This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. [] that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement. or
- b. [] that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

- Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
- For each non-English language reference listed on the attached form PTO-1449, reference is made to:
 - a. [] a full or partial English language translation submitted herewith,
 - b. [X] an International Search Report (in the English language) submitted herewith,
 - c. [X] the concise explanation contained in the specification of the present application at pages 1 and 3,
 - d. [X] the concise explanation set forth in the attached English language abstract,
 - e. [] the concise explanation set forth below or on a separate sheet attached to the reference:
- 5. [X] an International Search Report citing one or more of the references is enclosed.

Respectfully submitted,

Shouichi KOGA et al.

Registration No. 41,471 Attorney for Applicants

JRF/fs Washington, D.C. 20006-1021 Telephone (202) 721-8200 Facsimile (202) 721-8250

January 6, 2006

IAP15 Rec'd PCT/PTO 0.6 JAN 2006

Sheet 1 of 1		, , , , ,	INFORMA	TION DISCLOSURE STATEME	NT								
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: January 6, 2006				ATTY DOCKET NO. SERIAL NEW			10./563634						
				APPLICANT Shoulchi KOGA et al.									
				FILING DATE January 6, 2006			GROUP						
			U	S. PATENT DOCUMENTS	_								
'EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS		SUBCLASS	FILING DATE IF APPROPRIATE					
	AA			(
	AB												
	AC												
	AD												
	ΑE												
	AF												
1	AG												
	АН												
	Al								-				
			FOR	EIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUBCLASS	TRANSL/ YES	ATION NO				
/AF/	AJ	2001-237751	8-31-01	Japan				abstract					
/AF/	AK	10-178367	6-30-98	Japan				abstract					
/AF/	AL	03/101009	12-4-03	wo				abstract					
	АМ	,											
	AN												
-		OTHER	DOCUMENT(S)	Including Author, Title, Date, Pert	inent Pages,	Etc.)							
/AF/	AO	Z. G. Pan et al., "MIMO Antenna System for Multi-User Multi-Stream Orthogonal Space Division Multiplexing", ICC 2003, 2003 IEEE International Conference on Communications, Anchorage, AK, May 11-15, 2003, IEEE International Conference on Communications, New York, NY: IEEE, US, 'Online! Vol. 1 of 5, May 11, 2003, pages 322-24, ISBN: 0-7803-7802-4, Retrieved from the Internet: URL:http://eeexplore.ieee.org> 'retrieved on 3-10-2005											
/AF/	AP	H. Tröger et al., "A channel oriented Joint Transmission scheme for MIMO multi-user downlinks", COST 273, 'Online! May 28, 2002, Finland, Retrieved from the Internet: URL:http://ieeexplore.ieee.org>, 'retrieved on 3-10-											
EXAMINER	/Ari	stocratis Fotakis/		DATE CONSIDE	ERED 1	0/08/2	8008						